1600

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING   DATE: 04/15/2002
PATENT APPLICATION: US/09/522,278A   TIME: 09:51:05

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\04152002\I522278A.raw

```
   3 <110> APPLICANT: Phogen, Limited
   5 <120> TITLE OF INVENTION: Delivery of Substance to Cell
   7 <130> FILE REFERENCE: 5759-54451
   9 <140> CURRENT APPLICATION NUMBER: 09/522,278A
C--> 10 <141> CURRENT FILING DATE: 2000-05-09
  12 <160> NUMBER OF SEQ ID NOS: 12
  14 <170> SOFTWARE: PatentIn version 3.1
  16 <210> SEQ ID NO: 1
  17 <211> LENGTH: 20
  18 <212> TYPE: DNA
  19 <213> ORGANISM: synthetic construct
  21 <400> SEQUENCE: 1
  22 ccccccaccac ttcccctctc                                      20
  25 <210> SEQ ID NO: 2
  26 <211> LENGTH: 40
  27 <212> TYPE: DNA
  28 <213> ORGANISM: synthetic construct
  30 <400> SEQUENCE: 2
  31 tcctcgccct tgctcaccat ggtggcgacc ggtggatccc                 40
  34 <210> SEQ ID NO: 3
  35 <211> LENGTH: 20
  36 <212> TYPE: DNA
  37 <213> ORGANISM: synthetic construct
  39 <400> SEQUENCE: 3
  40 cccttgctca ccatggtggc                                       20
  43 <210> SEQ ID NO: 4
  44 <211> LENGTH: 25
  45 <212> TYPE: DNA
  46 <213> ORGANISM: synthetic construct
  48 <400> SEQUENCE: 4
  49 accatggtgg cgaccggtgg atccc                                 25
  52 <210> SEQ ID NO: 5
  53 <211> LENGTH: 20
  54 <212> TYPE: DNA
  55 <213> ORGANISM: synthetic construct
  57 <400> SEQUENCE: 5
  58 cccttgctca ccatggtggc                                       20
  61 <210> SEQ ID NO: 6
  62 <211> LENGTH: 20
  63 <212> TYPE: DNA
  64 <213> ORGANISM: synthetic construct
  66 <400> SEQUENCE: 6
  67 ccccccaccac ttcccctctc                                      20
```

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

— Invalid response,
See error summary sheet item 10

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Input Set : **A:\Sequence Listing.txt**
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```
70  <210> SEQ ID NO: 7
71  <211> LENGTH: 131
72  <212> TYPE: DNA
73  <213> ORGANISM: synthetic construct
75  <400> SEQUENCE: 7
76  gatcctatgg ggcaggtggg acggcagctc gccatcatcg gggacgacat caaccgacgc      60
78  tatcgggatc ccgatagcgt cggttgatgt cgtccccgat gatggcgagc tgccgtccca     120
80  cctgccccat g                                                          131
83  <210> SEQ ID NO: 8
84  <211> LENGTH: 36
85  <212> TYPE: RNA
86  <213> ORGANISM: synthetic construct
88  <400> SEQUENCE: 8
89  guuuucccug augaggccga aaggccgaaa uucucc                                36
92  <210> SEQ ID NO: 9
93  <211> LENGTH: 20
94  <212> TYPE: DNA
95  <213> ORGANISM: synthetic construct
97  <400> SEQUENCE: 9
98  cccccaccac ttcccctctc                                                  20
101 <210> SEQ ID NO: 10
102 <211> LENGTH: 17
103 <212> TYPE: DNA
104 <213> ORGANISM: synthetic construct
106 <400> SEQUENCE: 10
107 ccacaccgac ggcgccc                                                     17
110 <210> SEQ ID NO: 11
111 <211> LENGTH: 20
112 <212> TYPE: DNA
113 <213> ORGANISM: synthetic construct
115 <400> SEQUENCE: 11
116 tcccgcctgt gacatgcatt                                                  20
119 <210> SEQ ID NO: 12
120 <211> LENGTH: 301
121 <212> TYPE: PRT
122 <213> ORGANISM: herpes simplex virus 1
124 <400> SEQUENCE: 12
126 Met Thr Ser Arg Arg Ser Val Lys Ser Gly Pro Arg Glu Val Pro Arg
127 1               5                   10                  15
130 Asp Glu Tyr Glu Asp Leu Tyr Tyr Thr Pro Ser Ser Gly Met Ala Ser
131         20                  25                  30
134 Pro Asp Ser Pro Pro Asp Thr Ser Arg Arg Gly Ala Leu Gln Thr Arg
135         35                  40                  45
138 Ser Arg Gln Arg Gly Glu Val Arg Phe Val Gln Tyr Asp Glu Ser Asp
139     50                  55                  60
142 Tyr Ala Leu Tyr Gly Gly Ser Ser Ser Glu Asp Asp Glu His Pro Glu
143 65                  70                  75                  80
146 Val Pro Arg Thr Arg Arg Pro Val Ser Gly Ala Val Leu Ser Gly Pro
147             85                  90                  95
```

RAW SEQUENCE LISTING   DATE: 04/15/2002
PATENT APPLICATION: US/09/522,278A   TIME: 09:51:05

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF3\04152002\I522278A.raw**

```
150 Gly Pro Ala Arg Ala Pro Pro Pro Ala Gly Ser Gly Gly Ala Gly
151         100             105             110
154 Arg Thr Pro Thr Thr Ala Pro Arg Ala Pro Arg Thr Gln Arg Val Ala
155         115             120             125
158 Thr Lys Ala Pro Ala Ala Pro Ala Ala Glu Thr Thr Arg Gly Arg Lys
159     130             135             140
162 Ser Ala Gln Pro Glu Ser Ala Ala Leu Pro Asp Ala Pro Ala Ser Thr
163 145             150             155                 160
166 Ala Pro Thr Arg Ser Lys Thr Pro Ala Gln Gly Leu Ala Arg Lys Leu
167             165             170             175
170 His Phe Ser Thr Ala Pro Pro Asn Pro Asp Ala Pro Trp Thr Pro Arg
171             180             185             190
174 Val Ala Gly Phe Asn Lys Arg Val Phe Cys Ala Ala Val Gly Arg Leu
175         195             200             205
178 Ala Ala Met His Ala Arg Met Ala Ala Val Gln Leu Trp Asp Met Ser
179     210             215             220
182 Arg Pro Arg Thr Asp Glu Asp Leu Asn Glu Leu Leu Gly Ile Thr Thr
183 225             230             235                 240
186 Ile Arg Val Thr Val Cys Glu Gly Lys Asn Leu Leu Gln Arg Ala Asn
187             245             250             255
190 Glu Leu Val Asn Pro Asp Val Val Gln Asp Val Asp Ala Ala Thr Ala
191         260             265             270
194 Thr Arg Gly Arg Ser Ala Ala Ser Arg Pro Thr Glu Arg Pro Arg Ala
195         275             280             285
198 Pro Ala Arg Ser Ala Ser Arg Pro Arg Arg Pro Val Glu
199     290             295             300
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/522,278A**
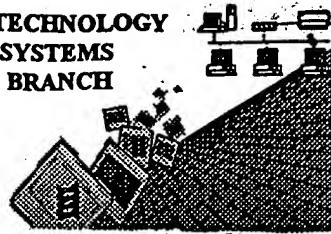
DATE: 04/15/2002
TIME: 09:51:06

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF3\04152002\I522278A.raw**

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**BIOTECHNOLOGY
SYSTEMS
BRANCH**

RECEIVED
APR 2 2 2002
TECH CENTER 1600/2900

RAW SEQUENCE LISTING ERROR REPORT

#16 Raw Seq. Error

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/522,278A_
Source: _1600_
Date Processed by STIC: _4|15|02_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM,** ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
        http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
                Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED	**SUGGESTED CORRECTION**	**SERIAL NUMBER:** 09/522, 278A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1_____Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2_____Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3_____Misaligned Amino
Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4_____Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5_____Variable Length

Sequence(s) _____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6_____PatentIn 2.0
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7_____Skipped Sequences
(OLD RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8_____Skipped Sequences
(NEW RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9_____Use of n's or Xaa's
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10_____Invalid <213>
Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11_____Use of <220>

Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12_____PatentIn 2.0
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13_____Misuse of n

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001